NPN TO-66

$I_{C(MAX)}$ = 1-7A
$V_{CEO(SUS)}$ = 35-400V
f_T = .75-50 MHz

Case 809

Type No.	PNP Complement	V_{CEO} (SUS) (V)	I_C (MAX) (A)	h_{FE} @ I_C/V_{CE} (min-max @ A/V)	V_{CE} (SAT) @ I_C/I_B (V @ A/A)	V_{BE} @ I_C/V_{CE} (V @ A/V)	V_{BE} (SAT) @ I_C/I_B (V @A/A)	I_{CEV} @ V_{CE} (mA @ V)	P_D @ T_C = 25°C (Watts)	$I_{s/b}$ @ V_{CE} t = 1 sec (A @ V)	f_T (MHz)	t_{on} @ I_C/I_B (μs @ A/A)	t_{OFF} @ I_C/I_B (μs @ A/A)
2N3054A	2N6049	55	4	25-100@.5/4	1@.5/.05	1.7@.5/4		1@90	75	3@25	3	.7[t]@1.5/.15	1.8[t]@1.5/1.5
2N3583	2N6211	250[h]	1	40-200@.5/10	5@1/.125	1.4@1/10		1@225	35	.35@100	10		
2N3584	2N6212	300[h]	5	25-100@1/10	.75@1/.125		1.4@1/.1	1@300	35	.35@100	10	3@1/1	7@1/1
2N3585	2N6213	400[h]	5	25-100@1/10	.75@1/.125		1.4@1/.1	1@400	35	.35@100	10	3@1/1	7@1/1
2N3738		225	.25	40-200@.1/10	2.5@.25/.025	1@.1/10		.5@250	20	.2@100	10		
2N3739		300	.25	40-200@.1/10	2.5@.25/.025	1@.1/10		.5@300	20	.2@100	10		
2N3766	2N3740	60	1	40-160@.5/5	1@.5/.05	1.5@1/10		.1@80	20	.4@50	10		
2N3767	2N3741	80	1	40-160@.5/5	12.5/.05	1.5@1/10		.1@100	20	.4@50	10		
2N3878		50	4	40-200@.5/2	2@4/.4	2.5@4/2		25@120	35	.75@40	40	.3[t]@4/.4	1.2[t]@4/.4
2N3879		75	7	12-100@4/2	1.2@4/.4		2@4/.4	25@120	35	.5@40	40	.5@4/.4	1.2@4/.4
2N4231		40	3	25-100@1.5/2	.7@1.5/.15	1.4@1.5/2		.1@40	35	1.75@20	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N4231A	2N6312	40	3	25-100@1.5/2	.7@1.5/.15	1.4@1.5/2		.1@40	75	3@25	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N4232		60	3	25-100@1.5/2	.7@1.5/.15	1.4@1.5/2		.1@60	35	1.75@20	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N4232A	2N6213	60	3	25-100@1.5/2	.7@1.5/.15	1.4@1.5/2		.1@60	75	3@25	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N4233		80	3	25-100@1.5/2	7@1.5/.15	1.4@1.5/2		.1@80	35	1.75@20	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N4233A	2N6314	80	3	25-100@1.5/2	.7@1.5/.15	1.4@1.5/2		.1@80	75	3@25	4	.7[t]@1.5/1.5	1.8[t]1.5/.15
2N4240		400[h]	5	30-150@.75/10	1@.75/.075		1.8@.75/.075	2@400	35	.35@100	15	.5@.75/.075	9@.75/.075
2N4273		140	2	20-140@1/10	.6@.5/.05	1.1@1/10		.1@175	25	2[t]@20	10	.3[t]@.75/.1	1.5[t]@.75/.1
2N4296		250	1	50-150@.05/10	.9@.05/.005	.9@.1/10		.1[b]@350	20	.05[t]@200	20	7@.1/.01	10@.1/.01
2N4297		250	1	75-300@.05/10	.9@.05/.005	.9@.1/10		.1[b]@350	20	.05[t]@200	20	7@.1/.01	10@.1/.01
2N4298		350	1	25-75@.05/10	.9@.05/.005	.9@1/10		1[b]@500	20	.05[t]@200	20	7@.1/.01	10@.1/.01
2N4299		350	1	50-150@.05/10	.9@.05/.005	.9@.1/10		1[b]@500	20	.05[t]@200	20	7@.1/.01	10@.1/.01
2N4864		120	2	50-150@.5/2	.2@.05/.05		1.2@.5/.05	.01@140	29	2[t]@20	50	.3[t]@.75/.1	1.5[t]@.75/.1
2N4910	2N4898	40	1	20-100@.5/1	.6@1/.1	1.3@1/1		.1@40	25	1@25	3		
2N4911	2N4899	60	1	20-100@.5/1	.6@1/.1	1.3@1/1		.1@60	25	1@25	3		
2N4912	2N4900	80	1	20-100@.5/1	.6@1/.1	1.3@1/1		.1@80	25	1@25	3		
2N5050		125	2	25-100@.75/5	1@.75/.1	1.2@.75/5		.5@125	40	2@20	10	.3@.75/.1	4.7@.75/.1
2N5051		150	2	25-100@.75/5	1@.75/.1	1.2@.75/5		.5@150	40	2@20	10	.3@.75/.1	4.7@.75/.1
2N5052		200	2	25-100@.75/5	1@75/.1	1.2@.75/5		.5@200	40	2@20	10	.3@.75/.1	4.7@.75/.1
2N5202		50	4	10-100@4/1.2	1.2@4/.4		2@4/.4	10@100	35	.4@40	40[t]	.4@4/.8	1.6@4/.8
2N5427		80	7	30-120@2/2	1.2@7/.7		1.2@2/.2	.01@75	40	5@8	30	.2@2/.2	2.2@2/.2
2N5428		80	7	60-240@2/2	1.2@7/.7		1.2@2/.2	.01@75	40	5@8	30	.2@2/.2	2.2@2/.2
2N5429		100	7	30-120@2/2	1.2@7/.7		1.2@2/.2	.01@90	40	5@8	30	.2@2/.2	2.2@2/.2
2N5430		100	7	60-240@2/2	1.2@7/.7		1.2@2/.2	.01@90	40	5@8	30	.2@2/.2	2.2@2/.2
2N5468		400	3	15-60@3/5	.5@3/.6		1.5@3/.6	.25@500	70	.875@80	2.5	.25 @1/.05	2[t]@1/.05
2N5469		400	3	15-60@3/5	.5@3/.6		1.5@3/.6	.25@700	70	.875@80	2.5	.25 @1/.05	2[t]@1/.05
2N5660		200	1	40-120@.5/5	.4@1/.1		1.2@1/.1	.001[g]@250	35	1.1[t]@45	20	.25@.5/.015	.85@.5/.015
2N5661		300	1	25-75@.5/5	.4@1/.1		1.2@1/.1	.001[g]@400	35	1.1[t]@45	20	.25@.5/.015	1.2@.5/.015
2N5664		200	3	40-120@1/5	.4@3/.3		1.2@3/.3	.001[g]@250	52.5	.875[t]@80	20	.25@1/.03	1.5@1/.03
2N5665		300	3	25-75@1/5	.4@3/.6		1.2@3/.6	.001[g]@400	52.5	.875[t]@80	20	.25@1/.05	2@1/.05
2N6077		275	7	12-70@1.2/1	.5@1.2/.2		1.9@3/.6	5@250	45	.9@50	1	.75@1.2/.2	5.75@1.2/.2
2N6078		250	7	12-70@1.2/1	.5@1.2/.2		2@5/1	.05@250	45	.9@50	1	.75@1.2/.2	5.75@1.2/.2
2N6079		350	7	12-50@1.2/1	.5@1.2/.2		2@4/.8	.5@450	45	.9@50	1	.75@1.2/.2	5.75@1.2/.2
2N6233		225	5	25-125@1/5	.5@1/.1	1@1/5		.1[b]@250	50	1.1@45	20	.5@1/.1	4@1/.1
2N6234		275	5	25-125@1/5	.5@1/.1	1@1/5		.1[b]@300	50	1.1@45	20	.5@1/.1	4@1/.1
2N6235		325	5	25-125@1/5	.5@1/.1	1@1/5		.1[b]@350	50	1.1@45	20	.5@1/.1	4@1/.1
2N6315	2N6317	60	7	20-100@2.5/4	1@4/.4	1.5@2.5/4		.25@60	90	3@30	4	.7@.5/.25	1.8@2.5/.25
2N6316	2N6318	80	7	20-100@2.5/4	1@4/.4	1.5@2.5/4		.25@80	90	3@30	4	.7@.5/.25	1.8@2.5/.25
2N6372	2N5956	40	6	20-100@3/4	1@3/.3	2@3/4		.1@45	40	1.1@36	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N6373	2N5955	60	6	20-100@2.5/4	1@2.5/.25	2@2.5/4		.1@65	40	1.1@36	4	.7[t]@1.5/.15	1.8[t]@1.5/.15
2N6374	2N5954	80	6	20-100@2/4	1@2/.2	2@2/4		.1@85	40	1.1@36	4	.7[t]@1.5/.15	1.8[t]@1.5/.15

NOTES: **b)** I_{CBO} @ V_{CB} (mA @V) **g)** I_{CES} @V_{CE} (mA @ V) **h)** V_{CER} (V) **t)** (typical)